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PROGRESS REPORT NO. 7

TIME AND MATERIALS CONTRACT
FOR FIELD ENGINEERING SERVICES

1 June through 31 August 1959

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1. GENERAL SUMMARY

This report describes the in-plant field engineering activities for Customers A, C and D, and covers the period from 1 June through 31 August 1959. Funding for these activities is provided under a Time and Materials contract covering the period 1 January through 30 June 1959, and 1 July through 31 December 1959.

The activities covered by this report are divided into five general categories: supervision, training, field modifications, general field support, and repair and retrofit.

Supervisory activities during the report period included management of final phases of Contract A-101, liaison with Edwards AFB, and a liaison trip to the Customer C depot at Warner Robins AMA.

In-plant field support activities during the report period included publication of 20 Field Service bulletins and 14 Technical Information Bulletins, submission of Change Proposal No. 5 to Customer C, completion of flight tests on System 4, Serial 102, a reply to an Un satisfactory Report submitted by Customer C, and repair of a substantial number of major components and subassemblies under the Repair and Retrofit program.

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2. SUPERVISORY ACTIVITIES

a. General and Administrative

Management of all activity during final phases of Contract A-101 is being handled by the contractor Field Engineering organization. It is expected that a surplus of contractual funds will be refunded to all Customers. Remaining activities under this contract include final tests and preparation for shipment of System 4, Serial 102, and completion of the Data Reduction System training aids.

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During the period August 27 and 28, [REDACTED]

25X1A

[REDACTED] visited the Customer C depot at Warner Robins Air Materiel Command. Purpose of this trip was to compare shipping records with items delivered under Contract A-101 prior to contract termination on October 15, 1959. Many discrepancies and potential problems were resolved.

25X1A

[REDACTED] returned to the plant from his liaison trip to Detachment B and IPC-USAFE on July 15.

The proposal covering resident field engineering and in-plant logistic support services for Customers A and C during fiscal 1960 was submitted during June and has received informal approval.

25X1A Visitors to the plant during the report period included

[REDACTED]


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25X1D



Work on the training manual and training-aid diagrams for the Data Reduction System is nearing completion.

4. FIELD MODIFICATIONS

The following is a list of Field Service Bulletins completed during the period 1 June through 31 August 1959.

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25X1D 25X1D

<u>FSB No.</u>	<u>System</u>	<u>Unit</u>	<u>Description</u>
1-7 (amended)	1	[REDACTED]	Revised modification instructions and kits for installation of [REDACTED] (Cust. C)
1-12	1	Recorder MP-10737 or MP-12570	Replacement of filament resistors
1-13	1	Recorder MP-10737 or MP-12570	Change 1-ke timing signal for recording on center track of tape
1-14	1	Power Supply (C4 Unit) MP-11713	Modification to limit surge current and prevent improper connection to front panel. (Cust. A)
3-9	3	Recorder MP-10737	Same as FSB 1-12 (Cust. C)
3-10	3	Test Fixture MP-10553	Add resistor for d-c grid return
3-11	3	Third Local-Oscillator Assembly MP-10984	Replace resistors in reactance modulator with improved type
3-12	3	Recorder MP-10737	Same as FSB 1-13 (Cust. C)
3-13	3	Third Local-Oscillator Assembly MP-10984	Redesigned E1812
4-16	4	Power Supply MP-11049	Add regulator circuit
5-6	5	Recorder MP-12570	Same as FSB 1-12
6-7	6	Coaxial Switch MP-11045	Modify spares to conform to operating systems
6-8	6	Recorder MP-12570	Same as FSB 1-13
6-9	6	Power Supply (C4 Unit) MP-11713	Modification to prevent high surge currents and prevent damage due to cabling error
6-10	6	NOT PUBLISHED	
6-11	6	Junction Box MP-12307	Relocate fuse holders
S603-2	S-603	Dual Channel Amp. MP-11567	Add Filament dropping resistors
B-1	Data Reduc.	Transport Sequence Control MP-10919	Add tuning capacitors

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F-1	Data Red. (F-Rack)	Event Marker Equipment MP-10933	Circuit changes increase gain of Q1901
K-2	Data Red. (K-Rack)	Transport Sequence Control MP-10919	Same as FSB B-1

b. Change Proposals

Change Proposal No. 4, covering modification of the Information Recorder to permit recording of the 1-kc timing signal on the center tape track, was approved by all Customers and Field Service Bulletins have been issued. No modification kits were required. Change Proposal No. 5, covering recommended additional test equipment for System 4, will be submitted to Customer C early in September.

5. GENERAL FIELD SUPPORT

a. Technical Services

Activities in this area include the engineering work involved in answering queries and solving special problems encountered in the field; procurement and shipment of special parts not available through normal channels; and processing and analysis of fault reports. These activities are handled on a day-to-day basis and a detailed description is beyond the scope of this report.

Publication of informal Technical Information Bulletins, containing service and troubleshooting hints and similar data, is continuing.

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Fourteen bulletins were issued during the period covered by this report.

b. Special Projects

Field Engineering services to Edwards AFB in connection with vehicle noise studies and flight testing of System 5, Serial 102, began during June and were concluded on August 14. Results of this program will be published in a special report.

c. Unsatisfactory Reports

25X1D

UR No. 59-132, covering non-fit of [REDACTED] when modified in accordance with Field Service Bulletin 1-7, was answered during the report period. The Airframe Manufacturer had supplied [REDACTED] mounting adapters. The mounting brackets [REDACTED] were redesigned. An amended Field Service Bulletin was published.

25X1D

25X1D

d. System 4 Environmental and Flight Tests (Customer C)

Flight tests of System 4, Serial 102 were completed at Edwards AFB during August and the system was returned to the plant for minor repair and rework, and analysis of recorded tapes from the vehicle noise study program. The system will be shipped to Customer C late in September.

6. REPAIR AND RETROFIT PROGRAM

During the 3-month period covered by this report, a total of 36 items were received from Customer A for repair. A total of 28 items were received from Customer C.

7. COST SUMMARY

The summary of costs for Field Engineering Services has been omitted from this report. A cost summary will be supplied each month as a separate letter report.

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